

OPINION 2360 (Case 3602)***Coenosia* Meigen, 1826 and COENOSIINAE Verrall, 1888 (Insecta, Diptera, MUSCIDAE): usage of the genus-group and family-group names conserved**

Abstract. Under the plenary power, the Commission has conserved the usage of the generic name *Coenosia* Meigen, 1826, for a well-established genus of muscid flies. All type fixations for *Coenosia* Meigen, 1826 prior to that of *Musca tigrina* Fabricius, 1775 by Westwood (1840) have been set aside. Also under the plenary power, the family-group name COENOSIINAE Verrall, 1888 has been given precedence over LIMOSIINAE Robineau-Desvoidy, 1830 whenever the two are placed in the same family-group taxon.

Keywords. Nomenclature; taxonomy; Diptera; MUSCIDAE; *Coenosia*; *Musca tigrina*; COENOSIINAE; LIMOSIINAE; muscid flies; cosmopolitan.

Ruling

- (1) Under the plenary power the International Commission on Zoological Nomenclature:
 - (a) has set aside all previous type species fixations for the nominal genus *Coenosia* Meigen, 1826 before that of *Musca tigrina* Fabricius, 1775 by Westwood (1840);
 - (b) has given precedence to the family-group name COENOSIINAE Verrall, 1888 over LIMOSIINAE Robineau-Desvoidy, 1830 whenever the two are placed in synonymy in the same family-group taxon.
- (2) The name *Coenosia* Meigen, 1826 (gender: feminine), type species *Musca tigrina* Fabricius, 1775 by subsequent designation by Westwood (1840), as ruled in (1a) above, is hereby placed on the Official List of Generic Names in Zoology.
- (3) The name *tigrina* Fabricius, 1775 as published in the binomen *Musca tigrina* (specific name of the type species of *Coenosia* Meigen, 1826, as ruled in (1a) above) is hereby placed on the Official List of Specific Names in Zoology.
- (4) The name COENOSIINAE Verrall, 1888 (type genus *Coenosia* Meigen, 1826) is hereby placed on the Official List of Family-Group Names in Zoology, with the endorsement that it is to be given precedence over LIMOSIINAE Robineau-Desvoidy, 1830, whenever the two are placed in synonymy in the same family-group taxon as ruled in (1b) above.
- (5) The name LIMOSIINAE Robineau-Desvoidy, 1830 is hereby placed on the Official List of Family-Group Names in Zoology, with the endorsement that it is not to be given priority over COENOSIINAE Verrall, 1888, whenever the two are placed in synonymy in the same family-group taxon as ruled in (1b) above.

History of Case 3602

An application to set aside all previous type species fixations for the generic name *Coenosia* Meigen, 1826 and for the family-group name COENOSIINAE Verrall, 1888 to

be given precedence over LIMOSIINAE Robineau-Desvoidy, 1830 whenever the two are placed in the same family-group taxon was received from Neal L. Evenhuis (*J. Linsley Gressitt Center for Research in Entomology, Bishop Museum, Honolulu, Hawaii, U.S.A.*) and Adrian C. Pont (*Oxford University Museum of Natural History, Oxford, U.K.*) on 26 May 2012. After correspondence the case was published in BZN 69: 271–275 (December 2012). The title, abstract and keywords of the case were published on the Commission's website. No comments were received on this Case. The Case was sent for vote on 3 September 2014 (VP 22).

Decision of the Commission

At the close of the voting period on 3 December 2014 the votes were as follows:

Affirmative votes – 16: Ballerio, Bogutskaya, Brothers, Fautin, Halliday, Harvey, Kojima, Krell, Kullander, Lamas, Pape, Rosenberg, Winston, Zhang, Zhou & Yanega.

Negative votes – none.

Split votes – 5: Alonso-Zarazaga, Bouchet, Grygier, Štys and van Tol (all five voted FOR (1)(a), (2), (3), (4)(a), (b); AGAINST (1)(b), (4), (5))

Kottelat, Ng, Patterson & Pyle were on leave of absence.

SPLITTING his vote, Alonso-Zarazaga said that there was no need to reverse the precedence because of the synonymy of the type genus. He also noted that in para. 9 of the original application, the incorrect LIMOSELLINAE had been used instead of the correct LIMOSIINAE, which should be corrected in the Opinion. Also SPLITTING his vote, Bouchet said that he was not in favour of replacing the name COENOSIINAE by the name LIMOSIINAE, but he viewed conditional reversal of precedence as a source of instability, and thus objected to this proposal. A proposal to place LIMOSIINAE on the Official Index would have been a better solution. Grygier, who also SPLIT his vote, said that little harm seemed likely to arise from following the Code with respect to the family-group names. It would have been useful to know what proportion of the usages of COENOSIINAE in the list submitted to the Secretariat were post-1999 (i.e. post-Sabrosky). Also SPLITTING his vote, Štys said that numerous valid family-group names were based on junior subjective synonyms and he could not see the reason for making this routine matter an anti-priority issue in this situation.

Original references

The following are the original references to the names placed on the Official Lists by the ruling given in the present Opinion:

- Coenosia* Meigen, 1826, *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Fünfter Theil. Schulz-Wundermann, Hamm, p. 210.
 COENOSIINAE Verrall, 1888, *A list of British Diptera*. Pratt & Co., London, p. 24.
 LIMOSIINAE Robineau-Desvoidy, 1830, *Mémoires présentés par divers savants à l'Académie Royale des Sciences de l'Institut de France (Sciences Mathématiques et Physiques)*, (2)2: 528.
tigrina, Fabricius, 1775, *Systema entomologiae, sistens insectorum classes, ordines, genera, species, adiectis synonymis, locis, descriptionibus, observationibus*. Officina Libraria Kortii, Flensburgi & Lipsiae, p. 779.

The following is the original reference to the type species designation cited in this ruling:

Westwood, J.O. 1840. Order XIII. Diptera Aristotle. (Antliata Fabricius. Halteriptera Clairv.)
in: An introduction to the modern classification of insects; founded on the natural habits and corresponding organisation of the different families. Synopsis of the genera of British insects.
Longman, Orme, Brown, Green & Longmans, London, p. 143.